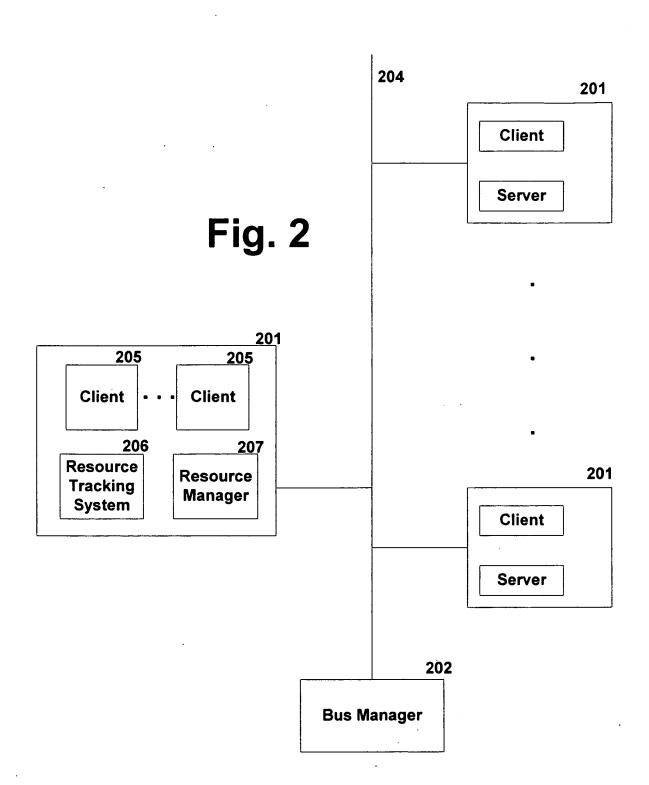


Fig. 1

Inventors: Richard Hasha and Stephen Springmeyer File ate: May 28, 1999 Serial No. 00/222 952 ate: May 28, 1999 Serial No.: 09/322,852
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Inventors: Richard Hasha and Stephen Springmeyer Filit Late: May 28, 1999 Serial No.: 09/322,852 Title—WETHOD APID SYSTEM FOR MANAGING

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Atty Name: Thomas E. Watson / (206) 332-1380

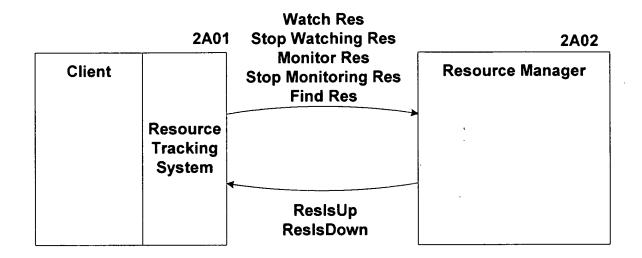


Fig. 2A

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Inventors: Richard Hasha and Stephen Springmeyer
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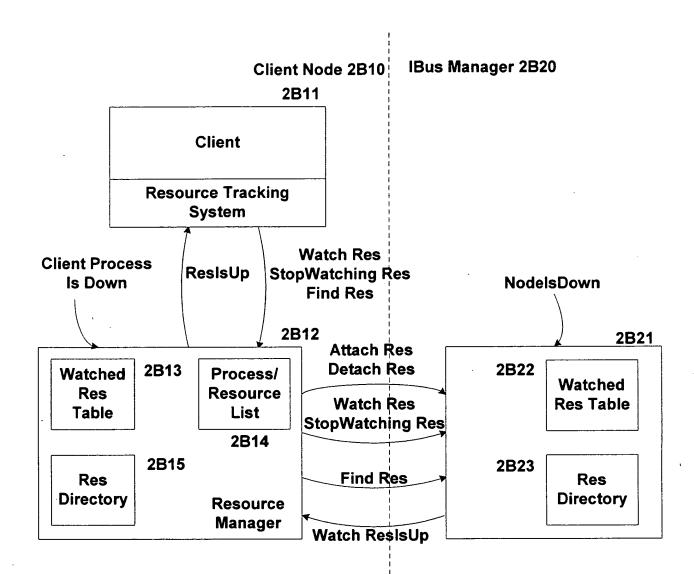


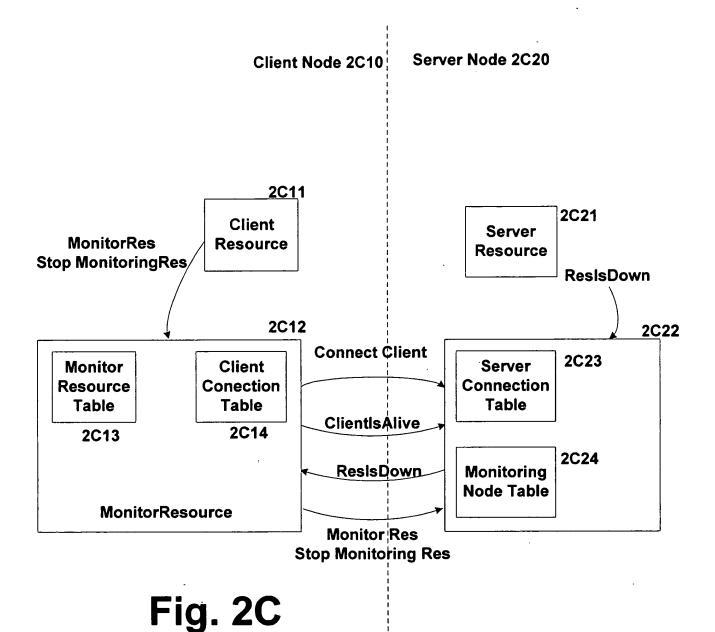
Fig. 2B

Inventors: Richard Hasha and Stephen Springmeyer ing Date: May 28, 1999 Serial No.: 09/322,852 itle: METHOD AND SYSTEM FOR MANAGING

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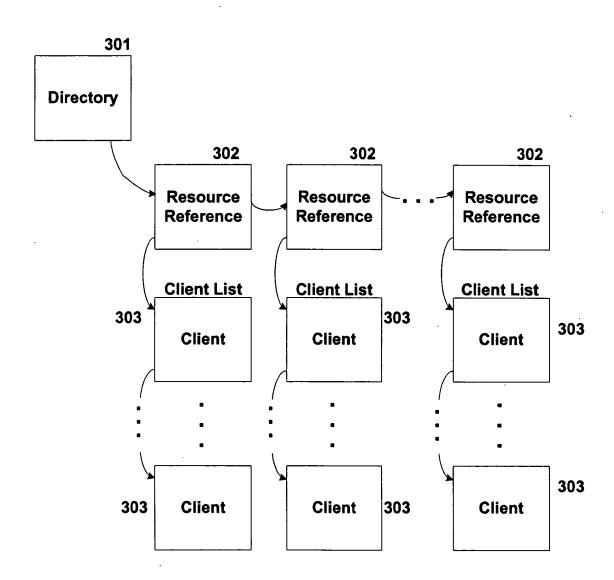


Fig. 3

Inventors: Richard Hasha and Stephen Springmeyer Date: May 28, 1999 Serial No.: 09/322,852

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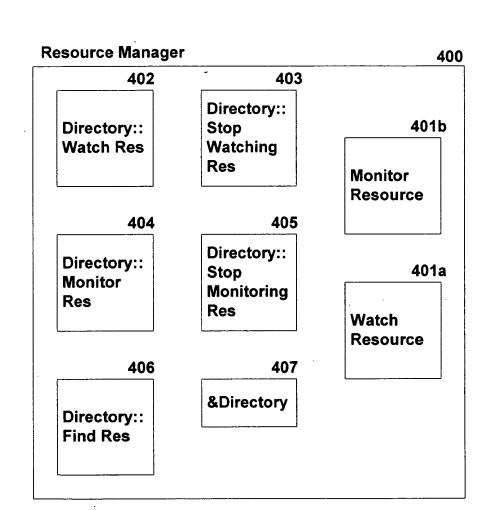


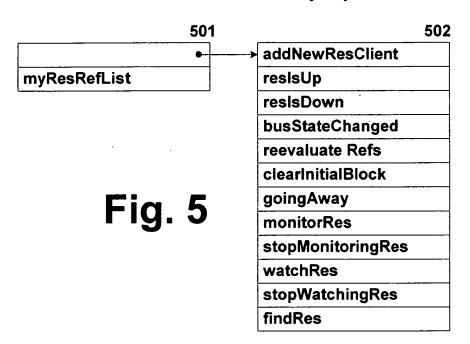
Fig. 4

Inventors: Richard Hasha and Stephen Springmeyering Date: May 28, 1999 Serial No.: 09/322,852 e: METHOD AND SYSTEM FOR MANAGING

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Directory Object



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Resource Reference Object

601	602
•	getRefCountedPtr
myClientList	down
myResName	up
myResPtr	add
myResCreatedTime	Init
myQueue	deleteYourself
mylsProcessing	goingAway
myDirPtr	clearClients
	processEventsandFreeLock
myResrcinstid	sendEventandProcess
Fig. 6	processResIsUpMsg
	processResIsDownMsg
	processResInitMsg
	tellClientsResIsUp
	tellClientsResIsDown
	processClients

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Client Object

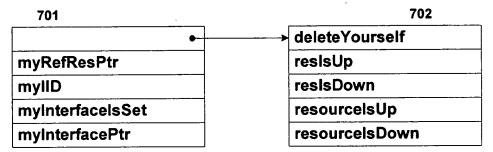
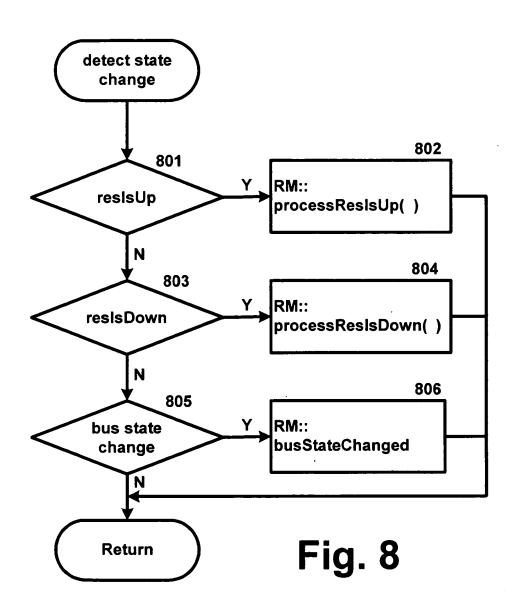


Fig. 7

Inventors: Richard Hasha and Stephen Springmeyer ing Date: May 28, 1999 Serial No.: 09/322,852 lle: METHOD AND SYSTEM FOR MANAGING

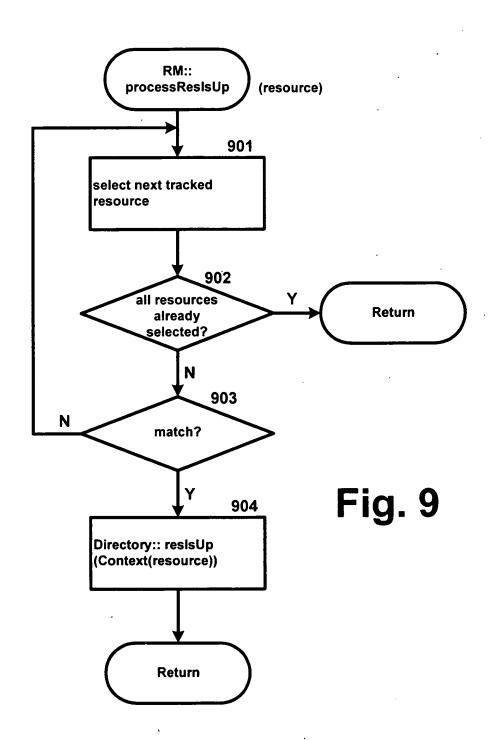
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Inventors: Richard Hasha and Stephen Springmeyer Filippate: May 28, 1999 Serial No.: 09/322,852 Titl LETHOD AND SYSTEM FOR MANAGING

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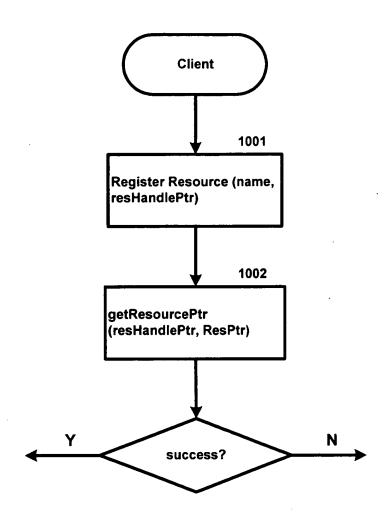


Fig. 10

Inventors: Richard Hasha and Stephen Springmeyer
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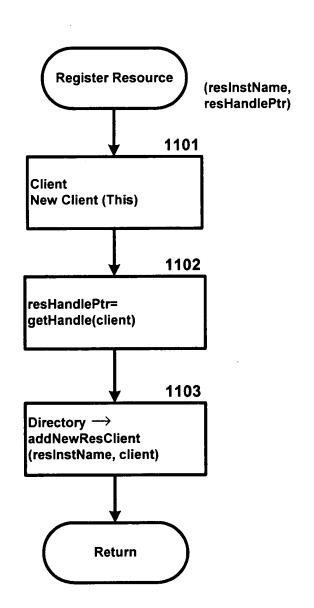
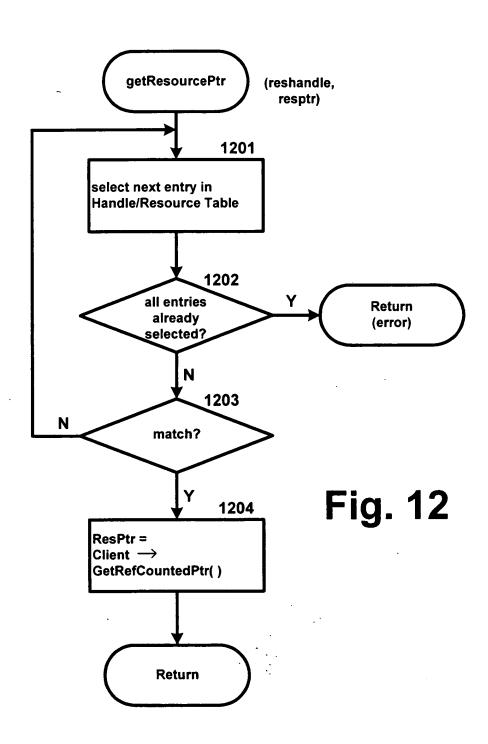


Fig. 11

Inventors: Richard Hasha and Stephen Springmeyer g Date: May 28, 1999 Serial No.: 09/322,852 METHOD AND SYSTEM FOR MANAGING

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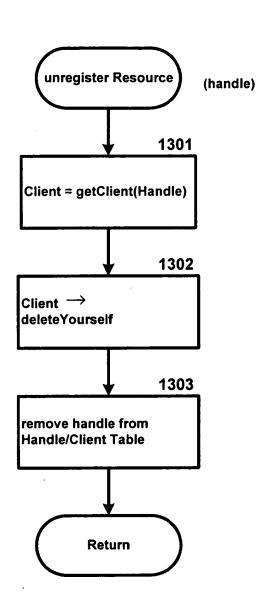
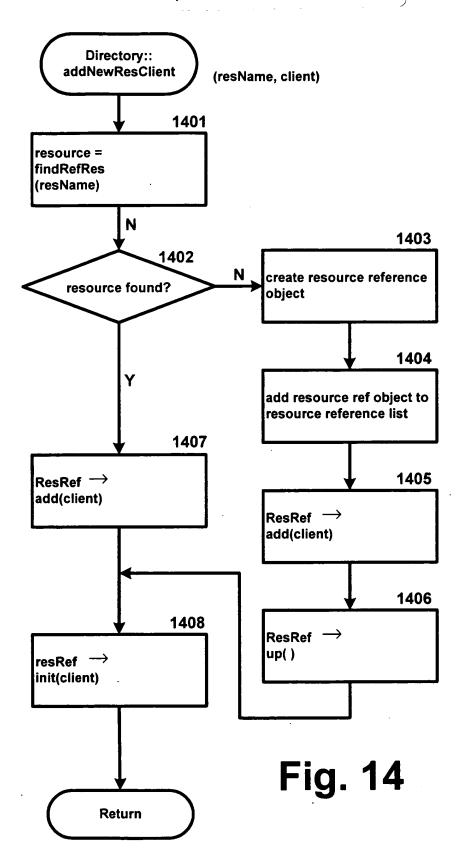


Fig. 13

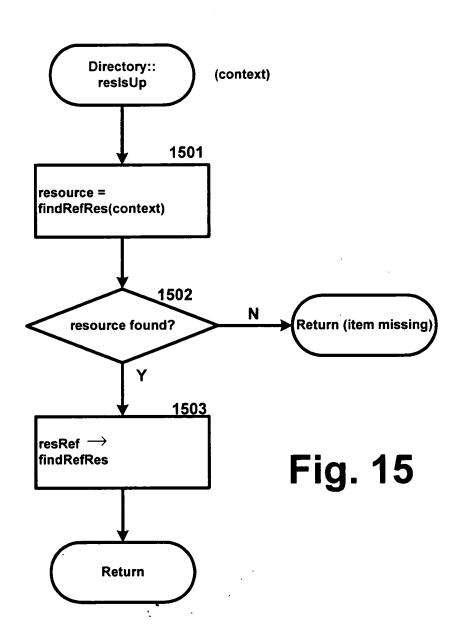
Inventors: Richard Hasha and Stephen Springmeyer ling Date: May 28, 1999 Serial No.: 09/322,852 litle: METHOD AND SYSTEM FOR MANAGING

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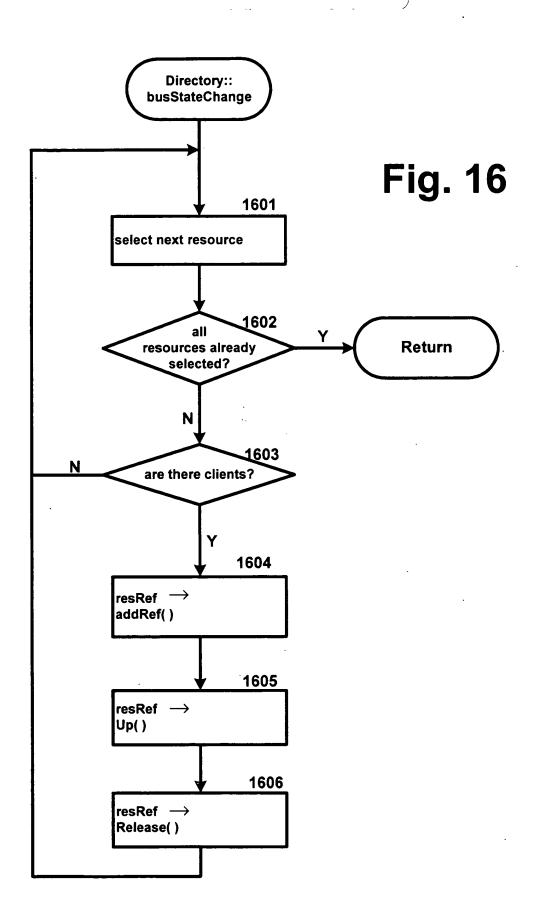
Inventors: Richard Hasha and Stephen Springmeyer and Date: May 28, 1999 Serial No.: 09/322,852 e: METHOD AND SYSTEM FOR MANAGING

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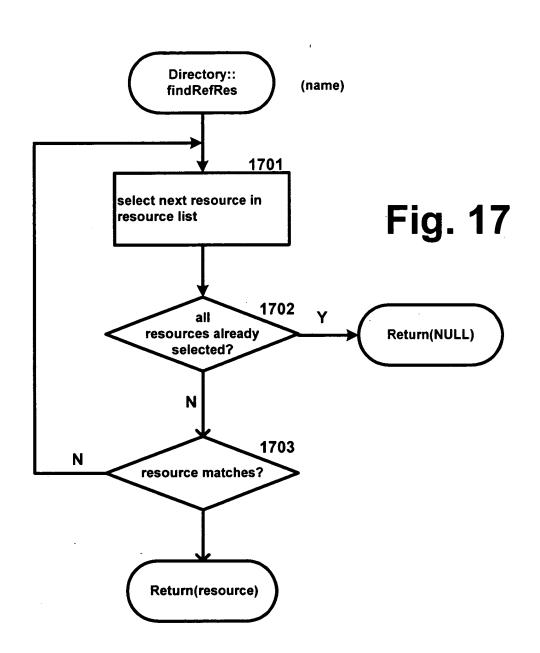
Inventors: Richard Hasha and Stephen Springmeyer g Date: May 28, 1999 Serial No.: 09/322,852 e: METHOD AND SYSTEM FOR MANAGING

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Inventors: Richard Hasha and Stephen Springmeyer Filit Let: May 28, 1999 Serial No.: 09/322,852 Title ETHOD AND SYSTEM FOR MANAGING

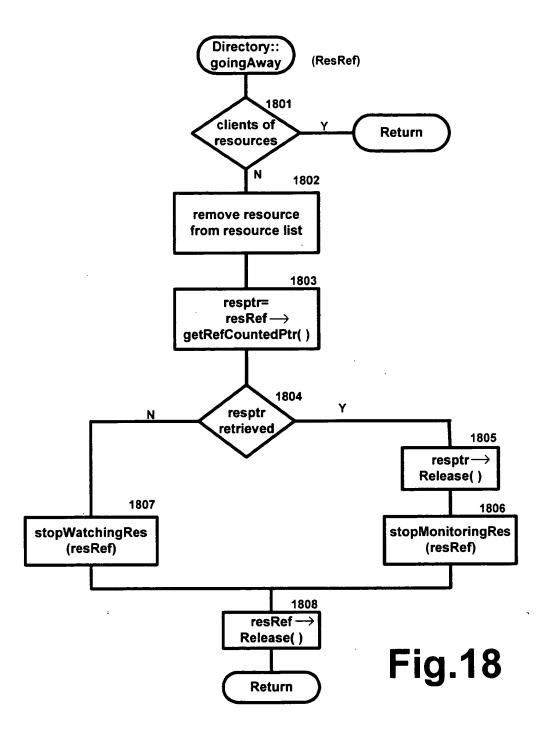
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Inventors: Richard Hasha and Stephen Springmeyer ling Date: May 28, 1999 Serial No.: 09/322,852 ttle: METHOD AND SYSTEM FOR MANAGING

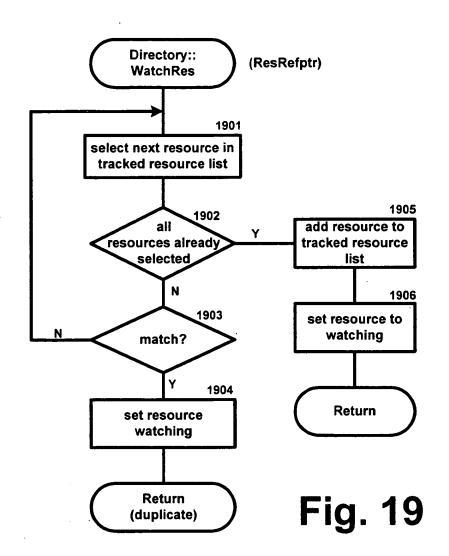
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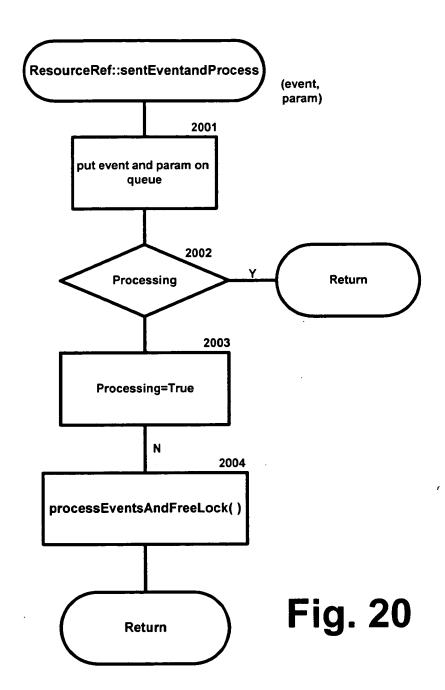
Investors: Richard Hasha and Stephen Springmeyer Public: May 28, 1999 Serial No.: 09/322,852 Title: METHOD AND SYSTEM FOR MANAGING

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Inventor Richard Hasha and Stephen Springmeyer Filing I May 28, 1999 Serial No.: 09/322,852 Title: METHOD AND SYSTEM FOR MANAGING

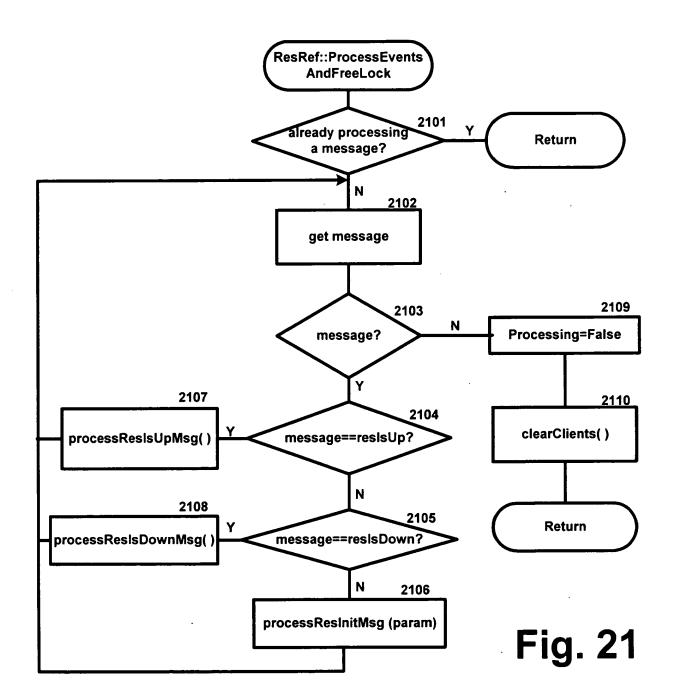
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tors: Richard Hasha and Stephen Springmeyer Date: May 28, 1999 Serial No.: 09/322,852 Tine: METHOD AND SYSTEM FOR MANAGING

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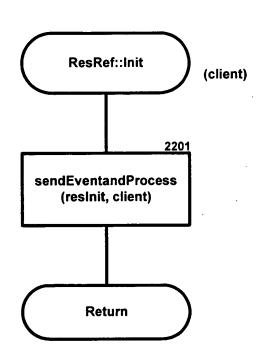
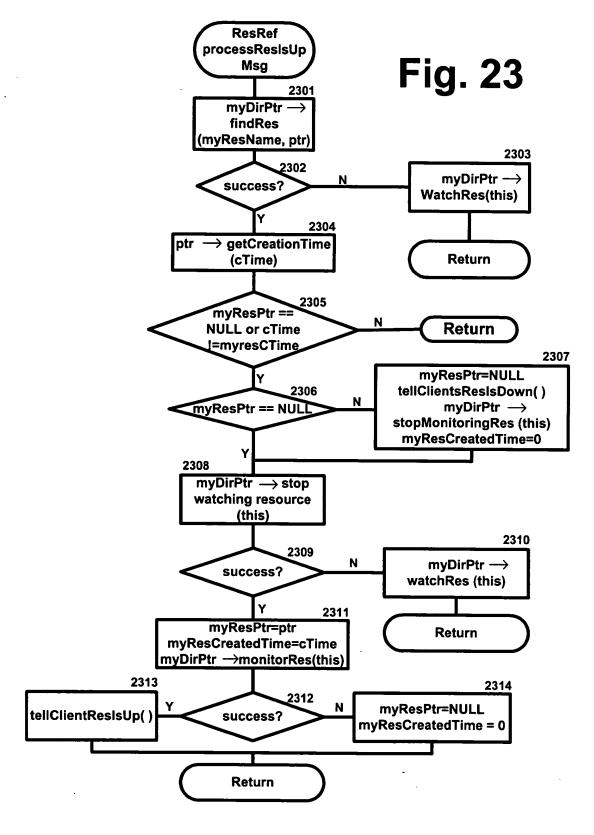


Fig. 22

In Section 1: Richard Hasha and Stephen Springmeyer Filing Date: May 28, 1999 Serial No.: 09/322,852 Title: METHOD AND SYSTEM FOR MANAGING SOFTWARE COMPONENTS

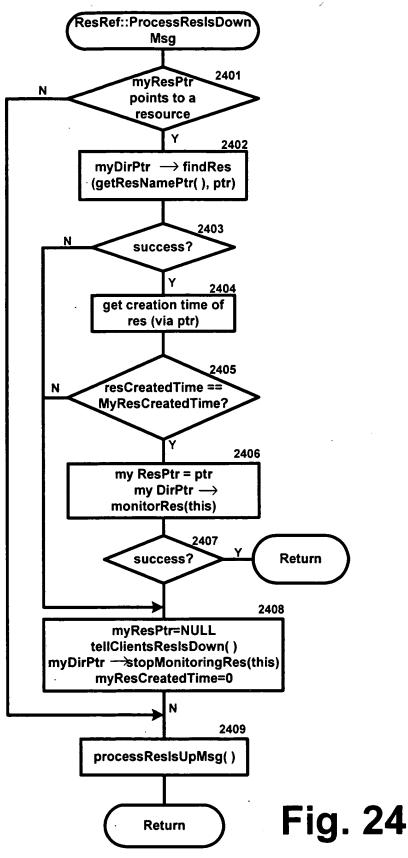
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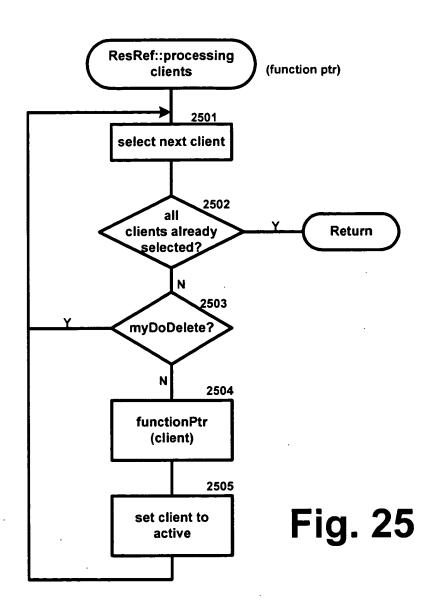
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Inventors: Richard Hasha and Stephen Springmeyering Date: May 28, 1999 Serial No.: 09/322,852 e: METHOD AND SYSTEM FOR MANAGING

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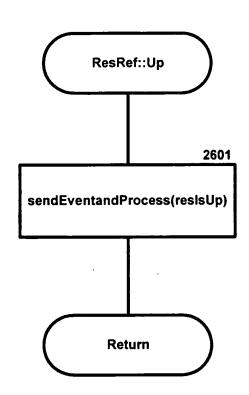


Fig. 26

Inventors: Richard Hasha and Stephen Springmeyer
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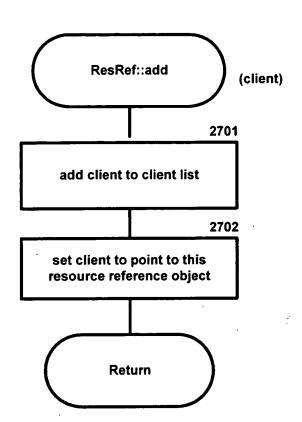


Fig. 27

Inventors: Richard Hasha and Stephen Springmeyer

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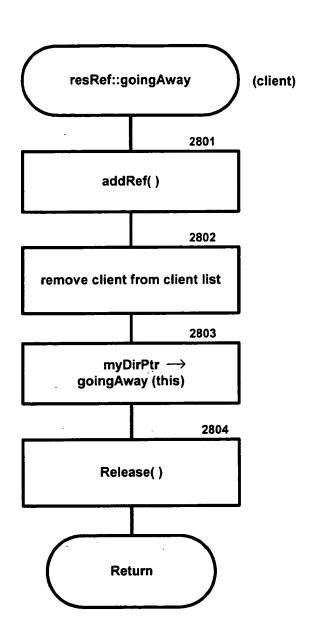


Fig. 28

Inventors: Richard Hasha and Stephen Springmeyer Film Pate: May 28, 1999 Serial No.: 09/322,852 TIMETHOD AND SYSTEM FOR MANAGING

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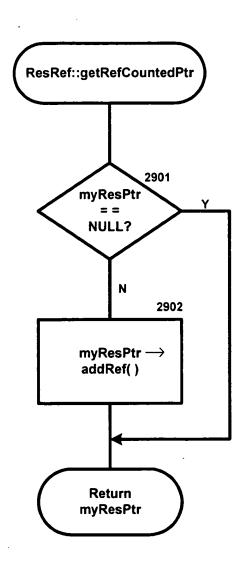
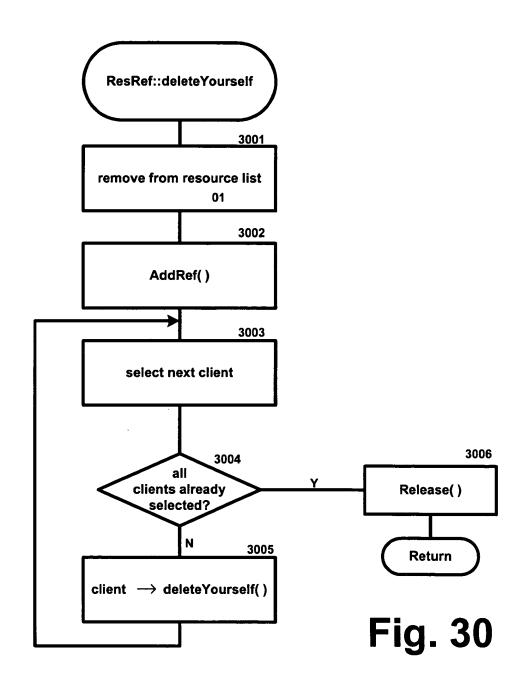


Fig. 29

Inventors: Richard Hasha and Stephen Springmeyer Film Pate: May 28, 1999 Serial No.: 09/322,852 Tilm METHOD AND SYSTEM FOR MANAGING

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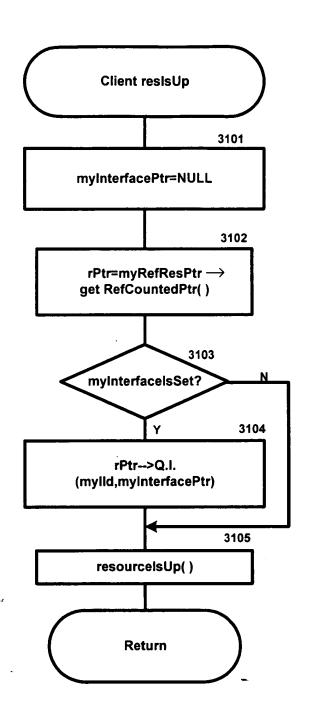


Fig. 31

Inventors: Richard Hasha and Stephen Springmeyer
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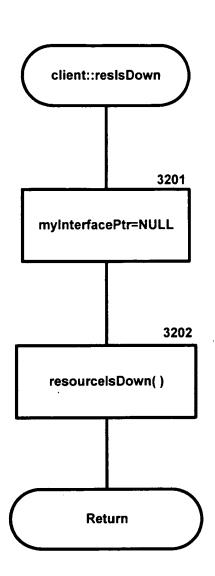
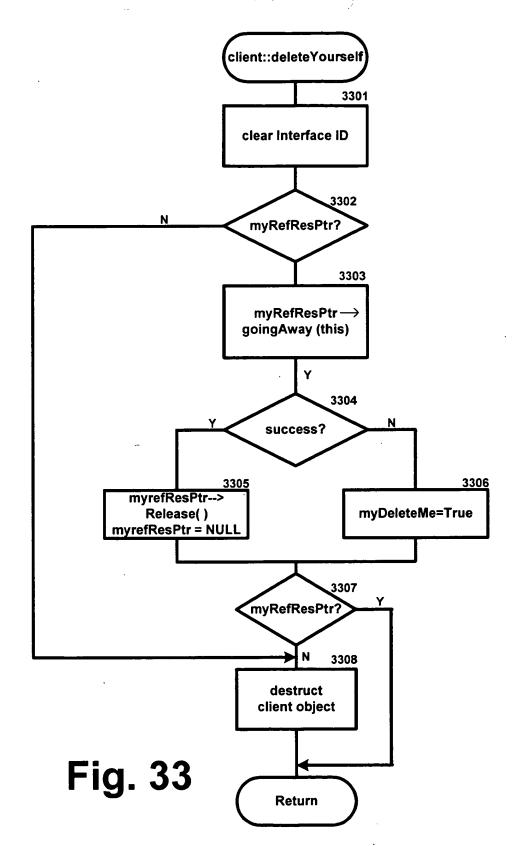


Fig. 32

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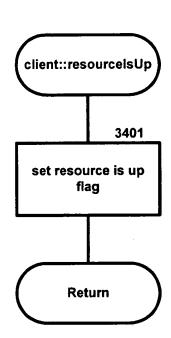


Fig. 34

Inventors: Richard Hasha and Stephen Springmeyer g Date: May 28, 1999 Serial No.: 09/322,852 METHOD AND SYSTEM FOR MANAGING

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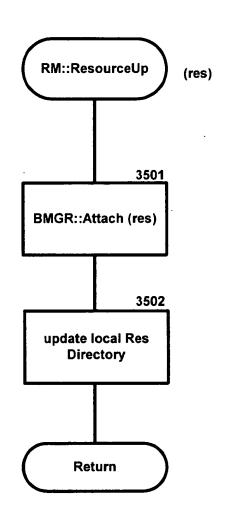


Fig. 35

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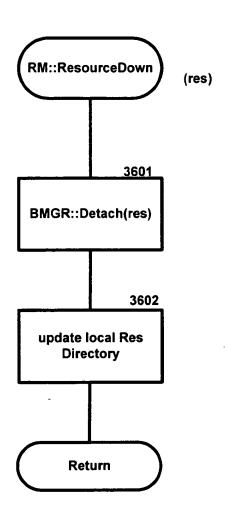


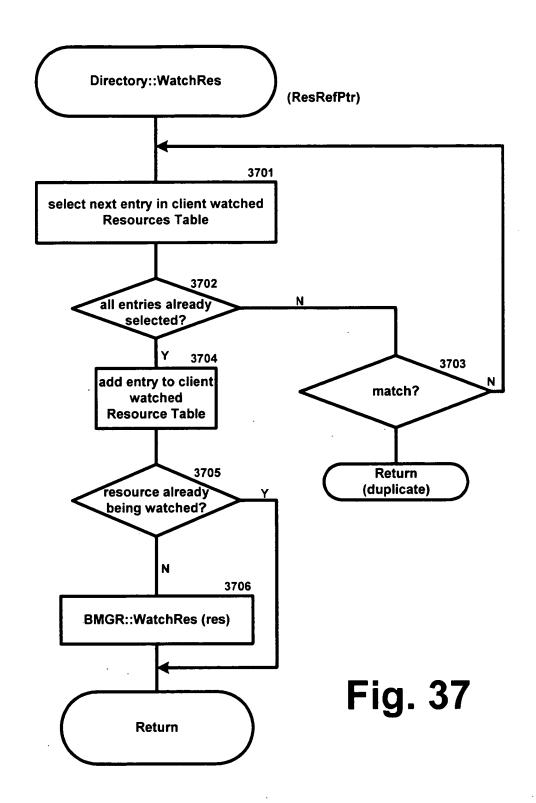
Fig. 36

Inventors: Richard Hasha and Stephen Springmeyer

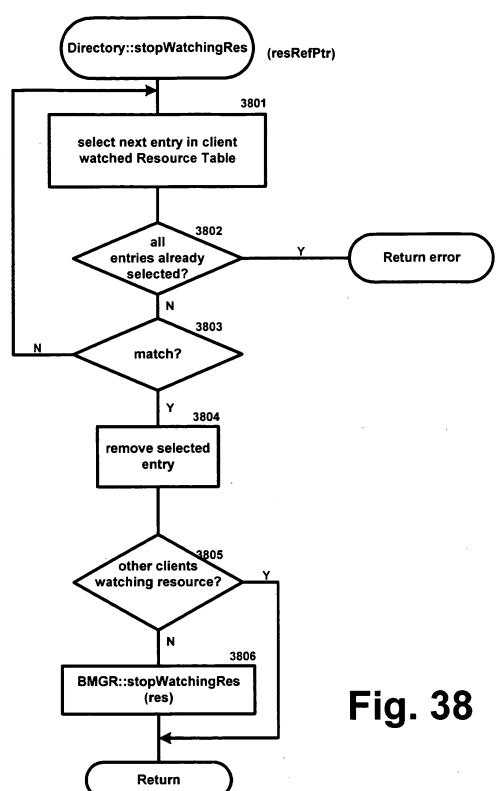
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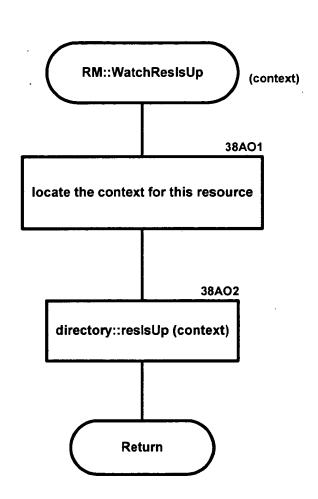


Fig. 38A

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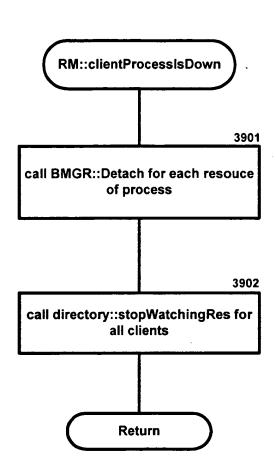
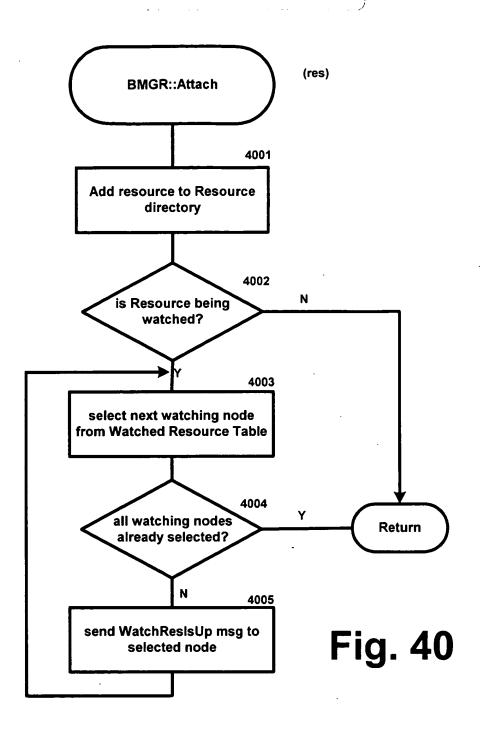


Fig. 39

Inventors: Richard Hasha and Stephen Springmeyer Figure Date: May 28, 1999 Serial No.: 09/322,852 THE METHOD AND SYSTEM FOR MANAGING SOFTWARE COMPONENTS

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Inventors: Richard Hasha and Stephen Springmeyer
Fig. Date: May 28, 1999 Serial No.: 09/322,852
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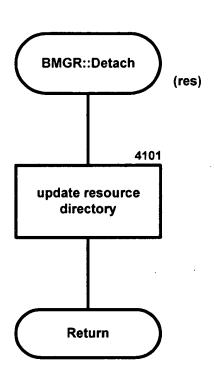
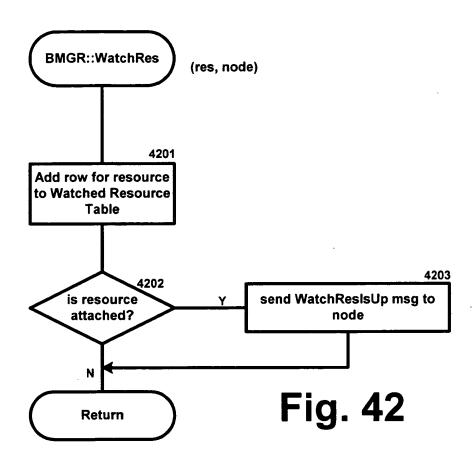


Fig. 41

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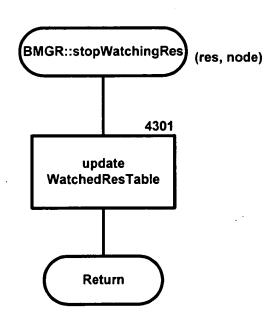


Fig. 43

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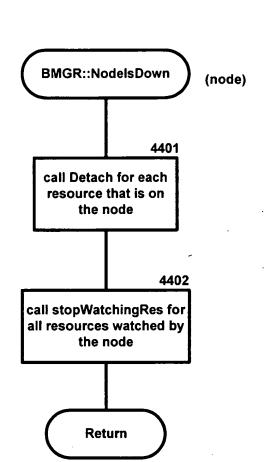


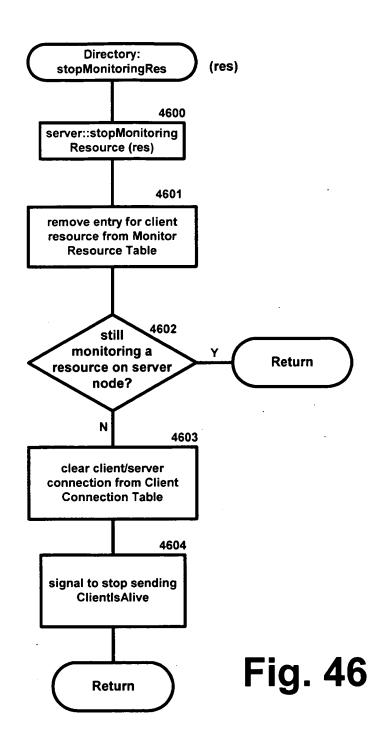
Fig. 44

Docket No.: MSFT-0677/183204.1 Inventors: Richard Hasha and Stephen Springmeyer Date: May 28, 1999 Serial No.: 09/322,852 METHOD AND SYSTEM FOR MANAGING SOFTWARE COMPONENTS Page 49 of 70 Atty Name: Thomas E. Watson / (206) 332-1380 **Directory: MonitorRes** (res) 4501 use passed resource ptr to identify node 4502 entry for node in client connection table? N 4503 server::ConnectClient (client ptr, client cntxt, server cntxt) 4505 4504 error? processServerIsDown 4506 Return add entry to Client **Connection Table** 4507 signal to start sending ClientIsAlive msg 4508 server::monitorRes Fig. 45 (resources)

Return

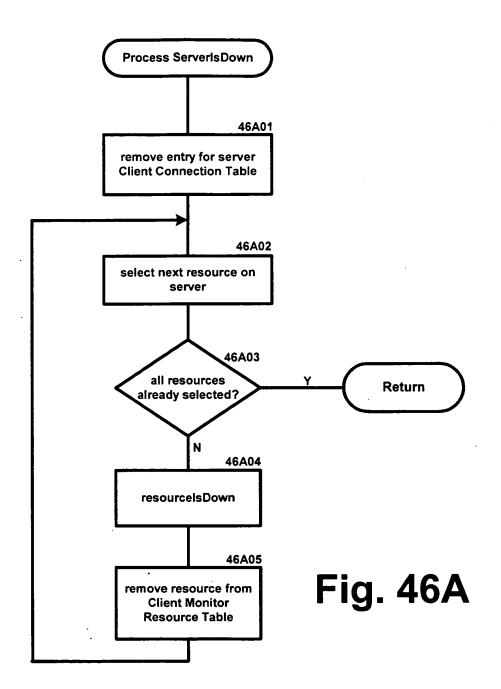
Inventors: Richard Hasha and Stephen Springmeyer Filing Land May 28, 1999 Serial No.: 09/322,852 Title: MAY HOD AND SYSTEM FOR MANAGING

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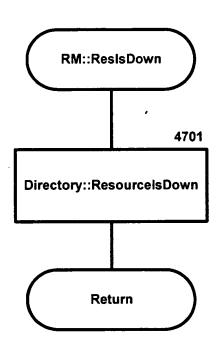
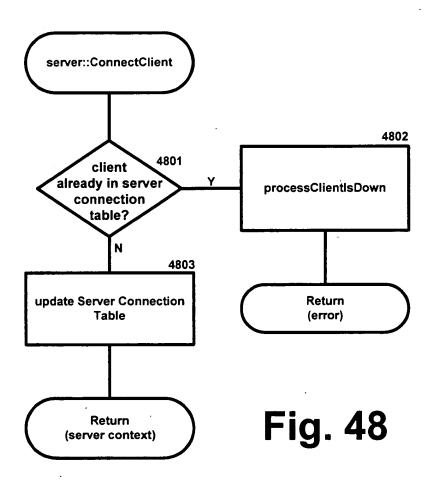


Fig. 47

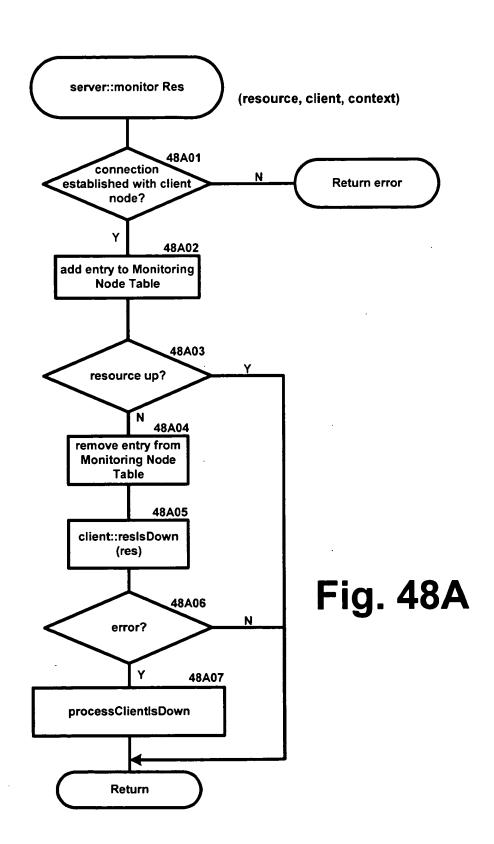
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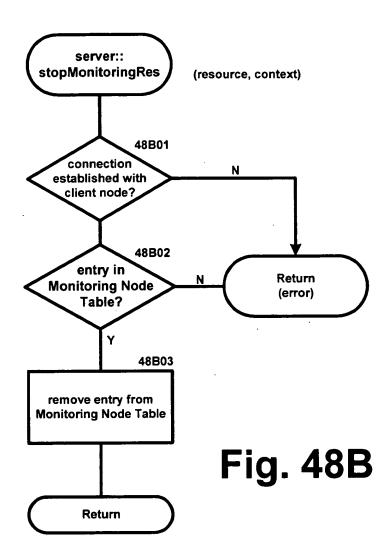
prentors: Richard Hasha and Stephen Springmeyer g Date: May 28, 1999 Serial No.: 09/322,852 Prife: METHOD AND SYSTEM FOR MANAGING

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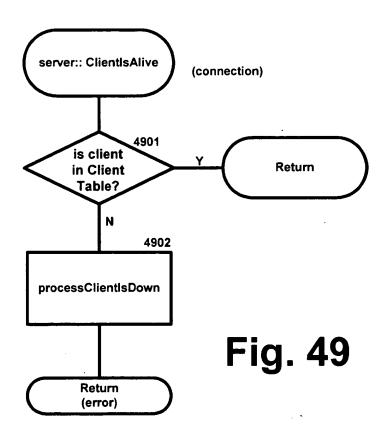
Inventors: Richard Hasha and Stephen Springmeyer
Date: May 28, 1999 Serial No.: 09/322,852
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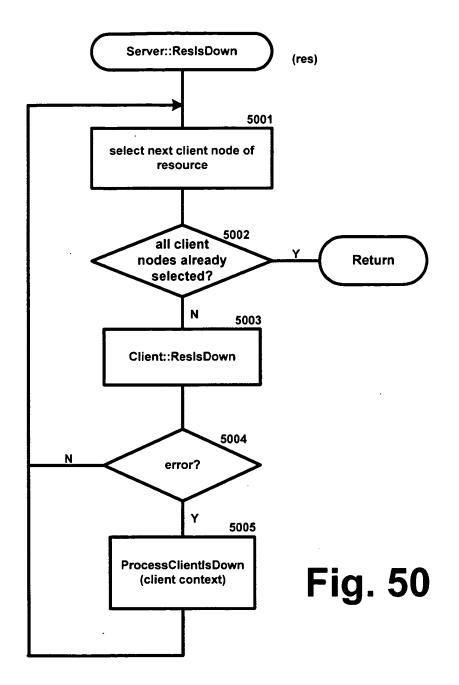
Inventors: Richard Hasha and Stephen Springmeyer ing Date: May 28, 1999 Serial No.: 09/322,852 tle: METHOD AND SYSTEM FOR MANAGING

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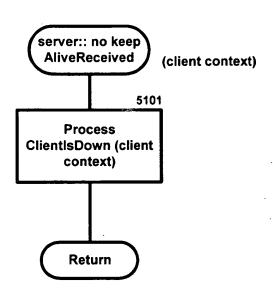


Fig. 51

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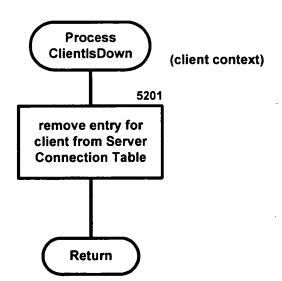


Fig. 52

Inventors: Richard Hasha and Stephen Springmeyer

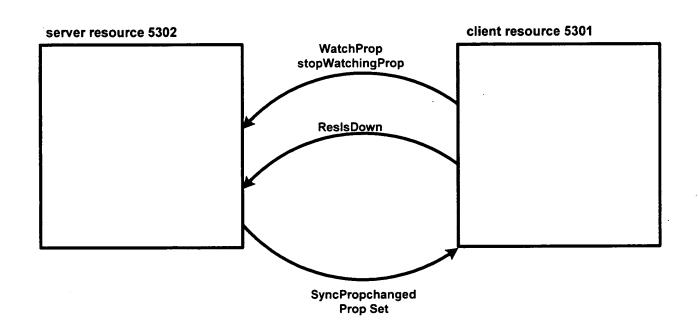
F Date: May 28, 1999 Serial No.: 09/322,852

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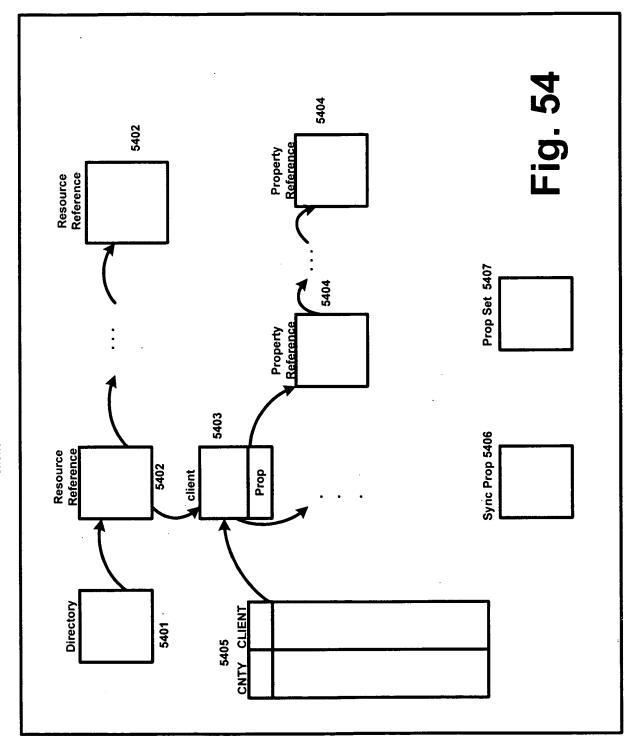
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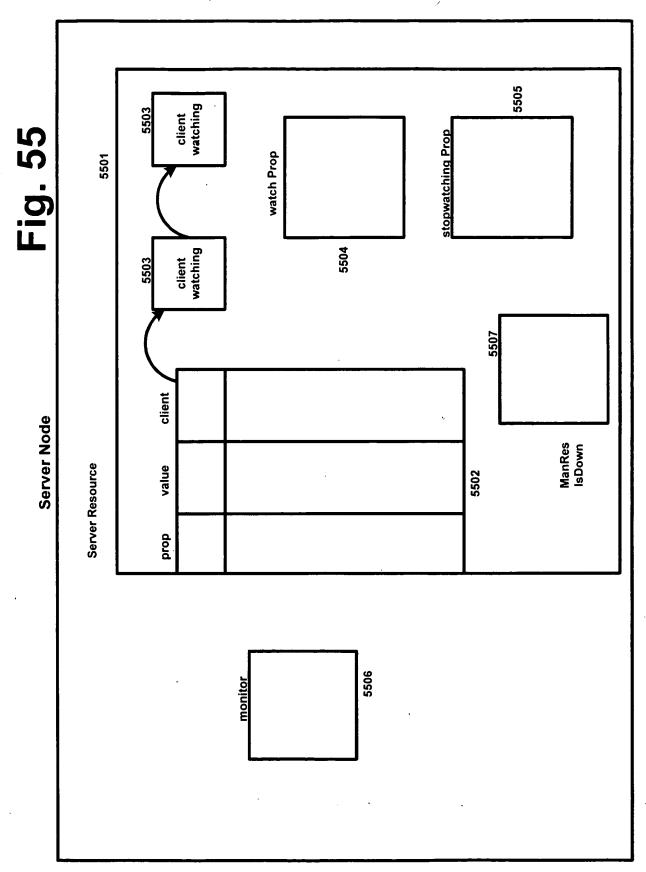


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Inventors: Richard Hasha and Stephen Springmeyer
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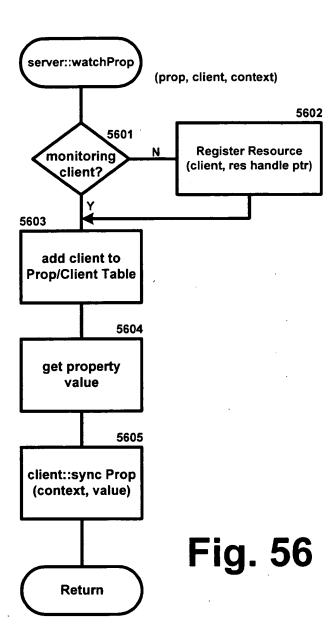
Docket No.: MSFT-0677/183204.1
Inventors: Richard Hasha and Stephen Springmeyer
Financia: May 28, 1999 Serial No.: 09/322,852
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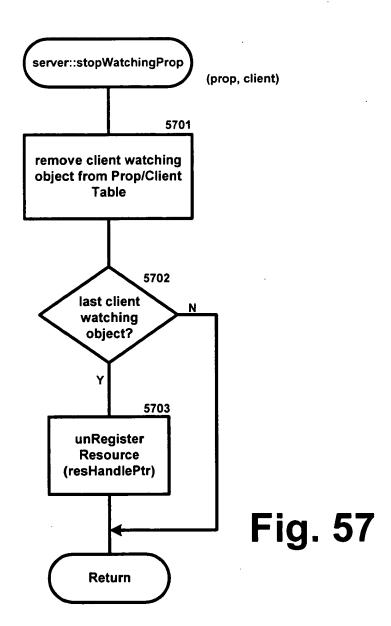
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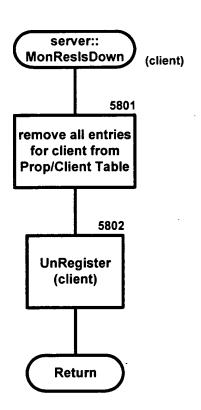


Fig. 58

Inventors: Richard Hasha and Stephen Springmeyer Film Pate: May 28, 1999 Serial No.: 09/322,852 Title TETHOD AND SYSTEM FOR MANAGING

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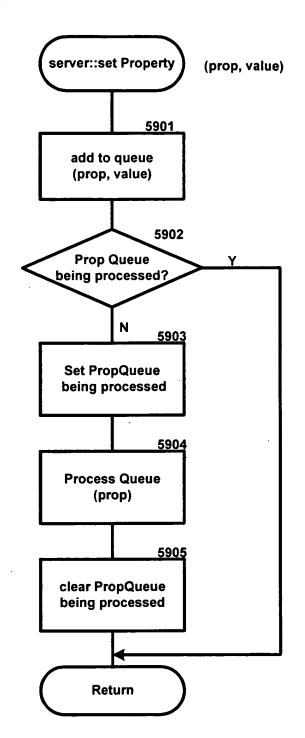
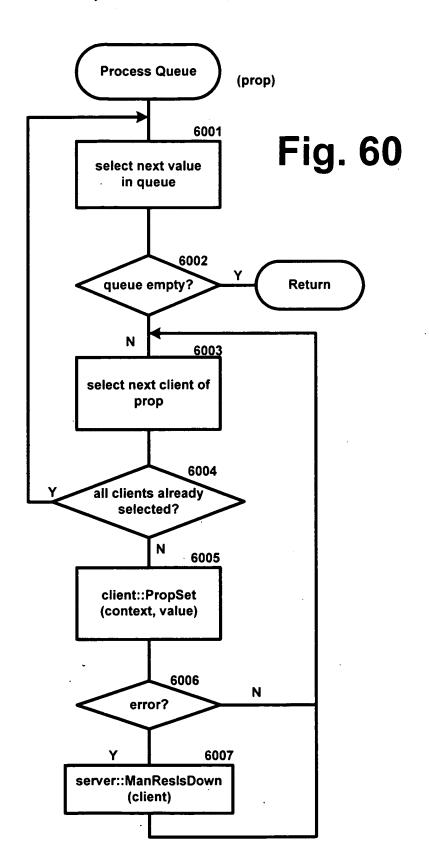


Fig. 59

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Inventors: Richard Hasha and Stephen Springmeyer Filing D. May 28, 1999 Serial No.: 09/322,852 Title: M. OD AND SYSTEM FOR MANAGING

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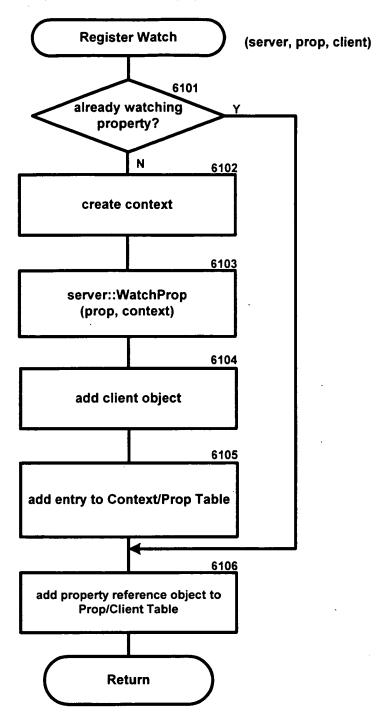
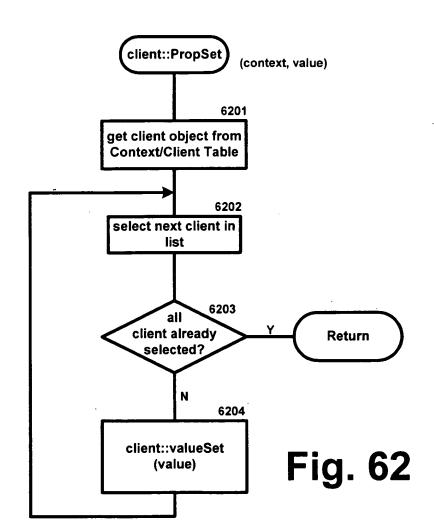


Fig. 61

Invertees: Richard Hasha and Stephen Springmeyer Filing Te: May 28, 1999 Serial No.: 09/322,852 Title. AETHOD AND SYSTEM FOR MANAGING

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